

## Patent Abstracts of Japan

PUBLICATION NUMBER : 2000179537  
PUBLICATION DATE : 27-06-00

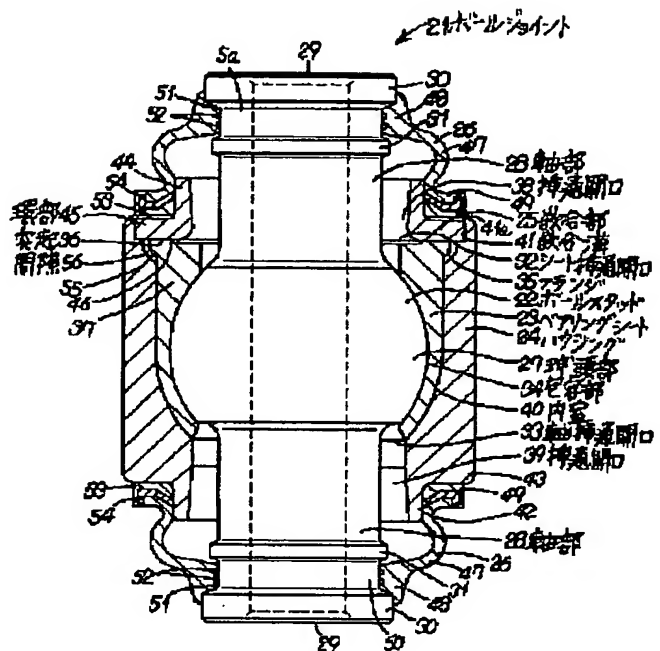
APPLICATION DATE : 18-12-98  
APPLICATION NUMBER : 10361598

APPLICANT : SOMIC ISHIKAWA:KK;

INVENTOR : TAKESHITA MASAHIRO;

INT.CL. : F16C 11/06

TITLE : BALL JOINT



ABSTRACT : PROBLEM TO BE SOLVED: To provide a ball joint stable in torque and easy in manufacture.

SOLUTION: A ball stud 22 having a ball head part 27 and a shaft part 28 is formed. A bearing seat 23 having a seat insertion opening 32 to allow the shaft part 28 to pass, a encapsulating part 34 to slidably encapsulate the ball head part 27 and a flange 35 which is flush with an end face of the seat insertion opening 32 and projecting outwardly are formed. A housing having an insertion opening 38 in which the bearing seat 23 is inserted and an inner chamber 40 to store the bearing seat 23 is formed. A fitting part 25 to be abutted on the end face of the bearing seat 23 and the flange 35 is formed. A gap 56 is formed between the housing 24 and the flange 35. The gap 56 absorbs the distortion of the flange 35 caused by the abutting. A whole surface of the bearing seat 23 is brought into contact with the ball head part 27 and the inner chamber 40 in an approximately uniform manner. The friction torque by the slide of the ball stub 22 is stable, the number of parts to constitute a ball joint 21 can be reduced, and the manufacture property is improved.

COPYRIGHT: (C)2000,JPO